

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
6 January 2005 (06.01.2005)

PCT

(10) International Publication Number  
**WO 2005/000586 A2**

(51) International Patent Classification<sup>7</sup>: **B41J**

(21) International Application Number:  
PCT/IB2004/002496

(22) International Filing Date: 28 June 2004 (28.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0315148.7 27 June 2003 (27.06.2003) GB  
0330053.0 24 December 2003 (24.12.2003) GB

(71) Applicant (for all designated States except US): ES-  
SELTE [BE/BE]; Industriepark - Noord 30, B-9100 St  
Niklaas (BE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HEYSE, Geert**

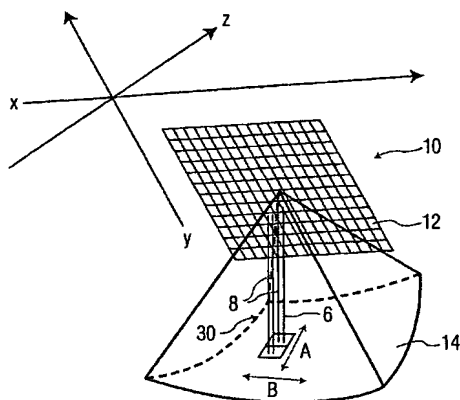
[BE/BE]; c/o ASSELTE, Industriepark - Noord 30, B-9100  
St Niklaas (BE). **VANDERMEULEN, Kris** [BE/BE]; c/o  
ASSELTE, Industriepark - Noord 30, B-9100 St Niklaas  
(BE). **VLEURINCK, Jos** [BE/BE]; c/o ASSELTE, Indus-  
triemark - Noord 30, B-9100 St Niklaas (BE).

(74) Agents: **STYLE, Kelda, Camilla, Karen** et al.; Page  
White & Farrer, 54 Doughty Street, London WC1N 2LS  
(GB).

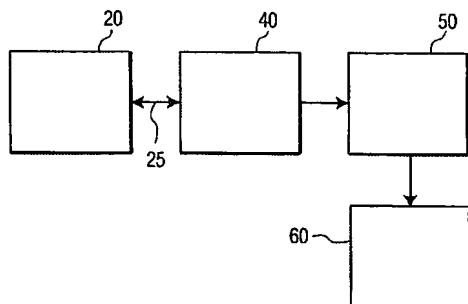
(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

[Continued on next page]

(54) Title: TAPE PRINTING APPARATUS AND TAPE CASSETTE



(57) Abstract: A label printer for printing on a direct thermal  
tape in a plurality of colours, said label printer comprising at least  
one print head for printing an image on said tape in said plurality  
of colours and an interface for selecting at least one background  
colour and at least one text colour.





(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— *without international search report and to be republished upon receipt of that report*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
6 January 2005 (06.01.2005)

PCT

(10) International Publication Number  
**WO 2005/000586 A3**

(51) International Patent Classification<sup>7</sup>: **B41J 3/407**,  
B41M 5/34, B41J 11/00, 11/70, 11/66

(21) International Application Number:  
PCT/IB2004/002496

(22) International Filing Date: 28 June 2004 (28.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0315148.7 27 June 2003 (27.06.2003) GB  
0330053.0 24 December 2003 (24.12.2003) GB

(71) Applicant (for all designated States except US): ES-  
SELTE [BE/BE]; Industriepark - Noord 30, B-9100 St  
Niklaas (BE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): HEYSE, Geert

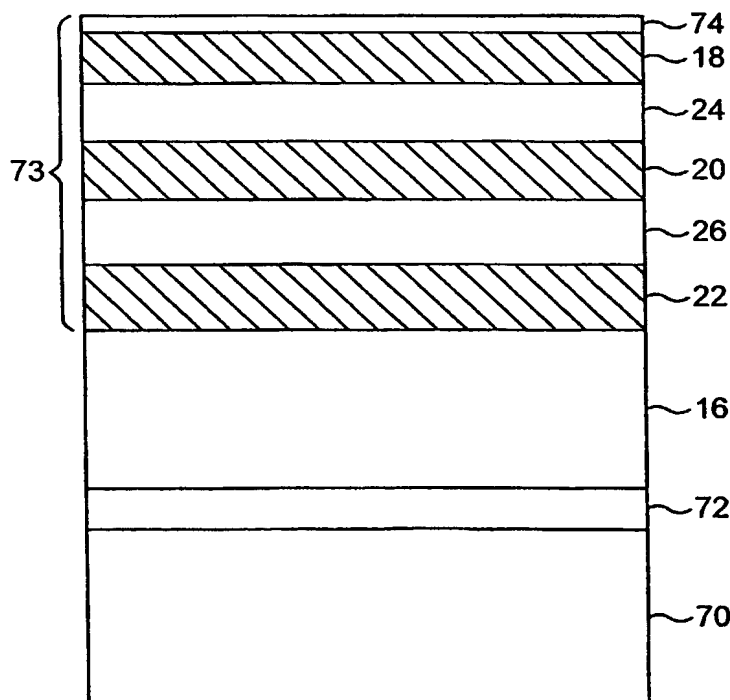
[BE/BE]; c/o ASSELTE, Industriepark - Noord 30, B-9100  
St Niklaas (BE). VANDERMEULEN, Kris [BE/BE]; c/o  
ASSELTE, Industriepark - Noord 30, B-9100 St Niklaas  
(BE). VLEURINCK, Jos [BE/BE]; c/o ASSELTE, Indus-  
triemark - Noord 30, B-9100 St Niklaas (BE).

(74) Agents: STYLE, Kelda, Camilla, Karen et al.; Page  
White & Farrer, 54 Doughty Street, London WC1N 2LS  
(GB).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

[Continued on next page]

(54) Title: TAPE PRINTING APPARATUS AND TAPE CASSETTE



(57) Abstract: A label printer for  
printing on a direct thermal tape in a  
plurality of colours, said label printer  
comprising at least one print head for  
printing an image on said tape in said  
plurality of colours and an interface  
for selecting at least one background  
colour and at least one text colour.

WO 2005/000586 A3



(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— *with international search report*

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) **Date of publication of the international search report:**

12 May 2005

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*